

ORNITHOLOGICAL LITERATURE

CIEN AVES DE EL SALVADOR. By Walter A. Thurber. Ministerio de Educacion, Direccion de Publicaciones, San Salvador, El Salvador, 1978:XXXV + 200 pp., 170 + color photographs, several range maps. Price not given.—This book (mostly in Spanish) includes full page color photographs of 100 species of birds occurring in El Salvador. Some species have additional smaller photographs depicting different plumages, nests or young. A short paragraph (with an English translation) describes some of the natural history of each bird. Resident species dominate, but a number of North American migrants (with accompanying range maps) are included.

Walter Thurber, an American who has lived in El Salvador since 1966, has banded and photographed birds and studied their behavior for 10 years. In this book he returns some of his acquired knowledge to that country in a form that will be of interest to a wide range of its people. Short chapters on avian biology, bird study and bird protection should do much toward habitat preservation and bird conservation. A history of ornithological studies and a bibliography are included.

The book was printed in El Salvador and is of high quality. Some photographs may not meet exacting standards and there are a few noncritical typographical errors, but I am most favorably impressed by Thurber's efforts and those of the Ministerio de Educacion, which published it. Anyone concerned with Central American birds will find this work of interest. The hardcover edition can be obtained from the Cornell Laboratory of Ornithology, 159 Sapsucker Woods Road, Ithaca, New York 14853 for \$16 plus \$1 postage.—STEPHEN M. RUSSELL.

BIRDS OF PENNSYLVANIA: WHEN AND WHERE TO FIND THEM. 3rd. ed. (rev.). By Merrill Wood, illus. by Dorothy L. Bordner, 1979. 146 pp., 201 line drawings, paper cover. Order from Pennsylvania State Univ., Box 6000, University Park, Penn. 16802. \$2.00.—A pocket-size guide to distribution (by counties), status and breeding of Pennsylvania birds.—R.J.R.

OWLS: THEIR NATURAL & UNNATURAL HISTORY. By John Sparks and Tony Soper. Taplinger Publ. Co., New York, 1979 (1970):206 pp., color frontispiece, 16 black-and-white plates, many drawings. \$8.50.

SWANS OF THE WORLD. By Sylvia Bruce Wilmore. Taplinger Publ. Co., New York, 1979 (1974):229 pp., 8 black-and-white plates, many maps and line drawings. \$8.50.—Both of these books are unrevised paperback reissues of books originally published in hard cover. Sparks and Soper was reviewed in *The Wilson Bulletin* 1972 [84]:360 and Wilmore was reviewed in 1975 [87]:434-435. As a note on inflation, Wilmore's book costs almost as much as the original edition, while Sparks and Soper's book costs considerably more.—R.J.R.

THE APPENDICULAR MYOLOGY AND PHYLOGENETIC RELATIONSHIPS OF THE PLOCEIDAE AND ESTRILDIDAE (AVES: PASSERIFORMES). By Gregory Dean Bentz. *Bulletin of Carnegie Museum of Natural History*, No. 15, 1979:25 pp., 2 tables, 5 figures. \$2.00.—The phylogenetic relationships of the Ploceidae and Estrildidae are analyzed mainly on the structure of the forelimb and hindlimb muscles. Monophyly of the assemblage is hypothesized on the basis of common possession of a conical bill adapted to granivory, on biochemical affinities and in pterylographic similarities previously reported. The present study provided no myo-